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50X1-HUM

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

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COUNTRY China

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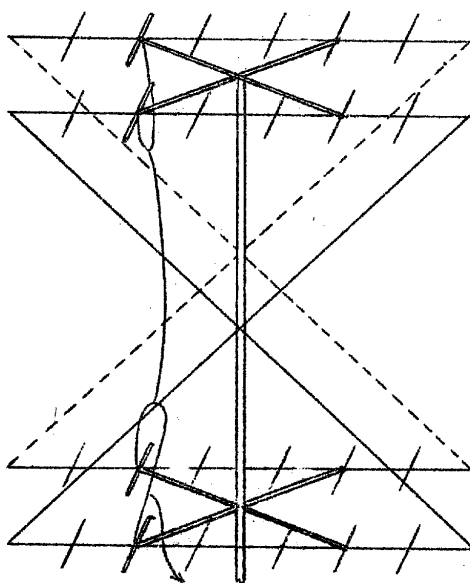
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- two radar arrays as in sketches A and B were seen on the flat roof of the Air Force billet at Wuchiaoch'ang (五橋場), Chiangwan airfield, Shanghai. They had been recently established.

Sketch A



Description: A square array less than two yards across. On each of the four metal bars are six horizontal dipoles about eight inches long. The gap between any two dipoles appears to be less than the length of the dipole. The lead-in, which comes from the second dipole on each cross bar, disappears into the building. When seen, this aerial was not moving.

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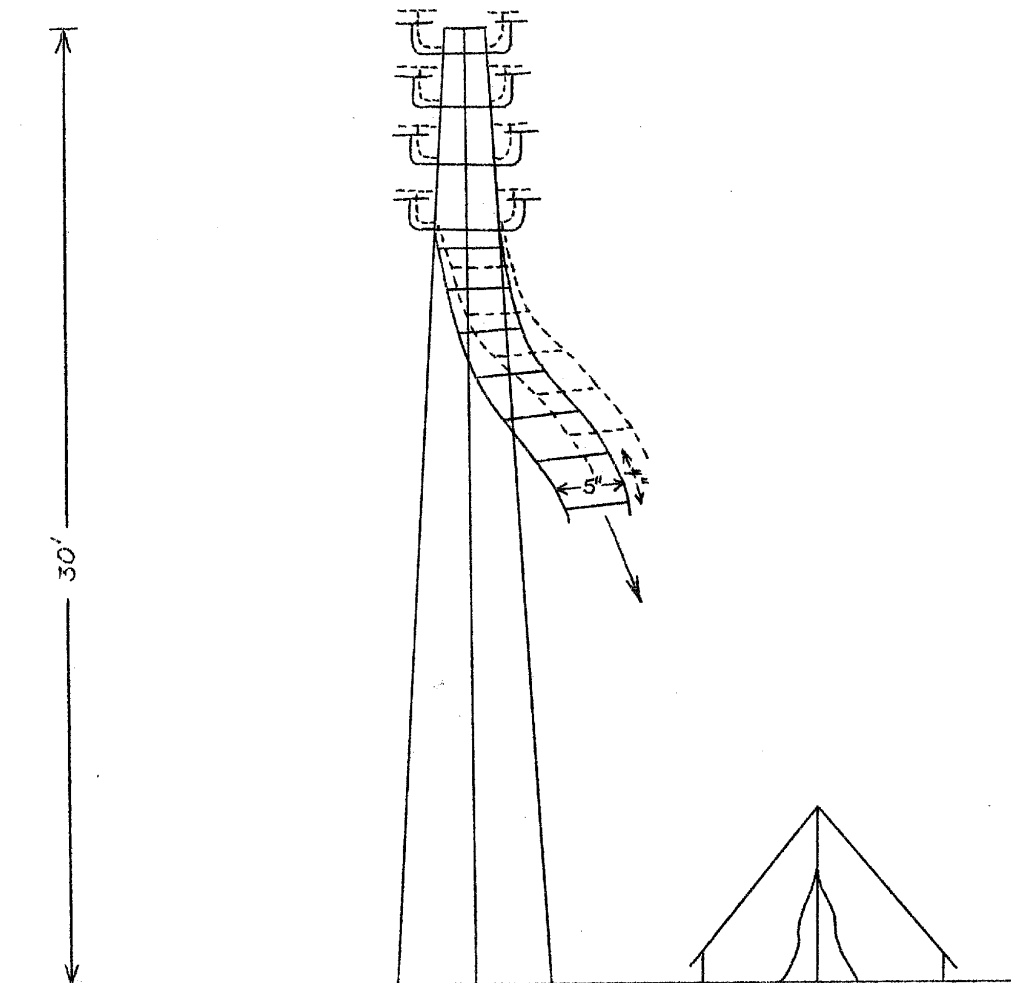
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- 2 -

Sketch B

Description: A tall metal tower about 30 feet high. A wooden ladder is necessary to service the aerials. The leads disappear into a tent which is also on the roof. There are 4 sets of twin dipoles joined by a metal bar underneath. Connections to the lead-in are inside of the dipole and the lead consists of two wires, separated by metal bars about 5 inches long and 4 inches apart. There is another similar lead coming from the other side of the aerial. All leads disappear into the tent.

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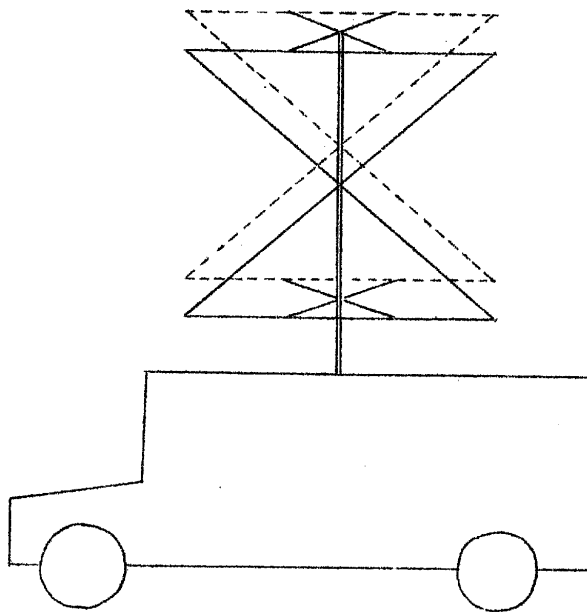
50X1-HUM

CENTRAL INTELLIGENCE AGENCY

- 3 -

2. [redacted] two radars as in sketches C and D, were seen [redacted] on the ground east of Chi Mei (其美) Road, two miles from Chiangwan airfield in the direction of Shanghai. About 10 Russians were operating them. 50X1-HUM

Sketch C



Description: A radar aerial as in Sketch A, mounted on a large truck, either a four or six-wheeler.

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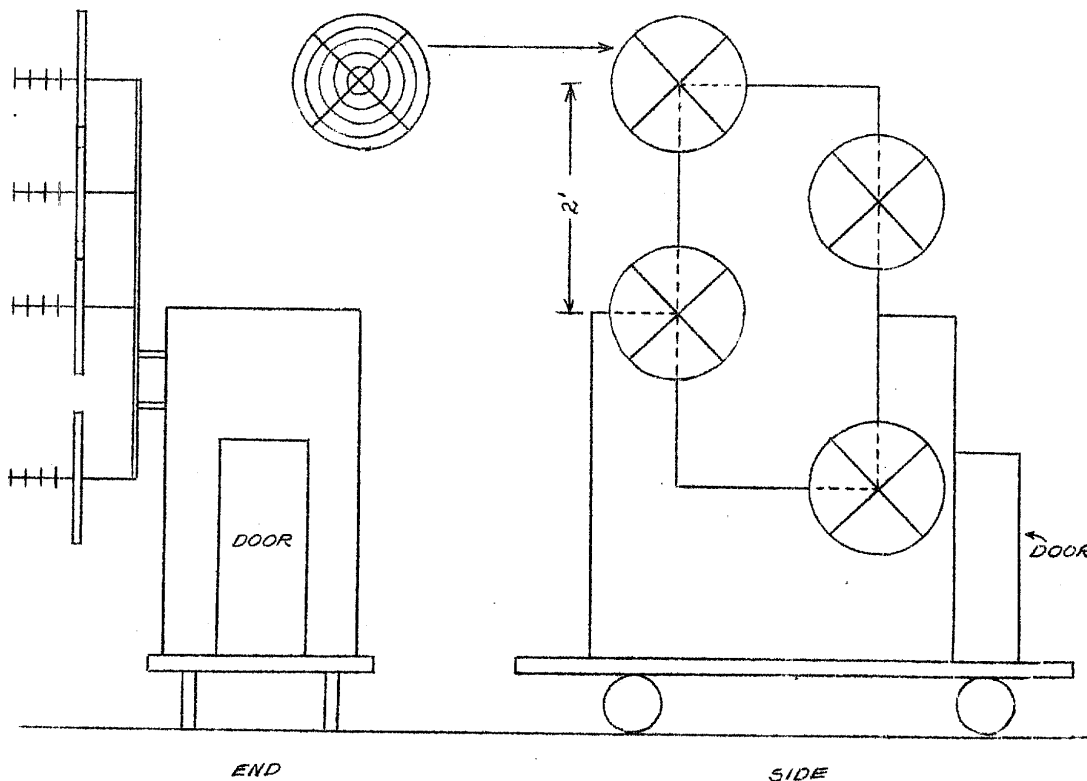
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- 4 -

50X1-HUM

3. The equipment in Sketch D was seen [redacted] at T'angch'iaocheh (塘橋植), Pootung. There were two sets, together with a searchlight, manned by 10 Russians. The same equipment was also seen on [redacted] on open ground to the north of Lunghua airfield. Together with this equipment were two heavy anti-aircraft guns and two rangefinders.

50X1-HUM

Sketch D

Description: This worked in conjunction with a searchlight nearby. It consists of four horizontal bars protruding forward as in straight-line-contact equipment. At the extremities are four dipoles, and nearer the control cab there is a circular frame containing concentric circles of fine wire. The cab is mounted on a trailer and the entrance to the cab is at the side.

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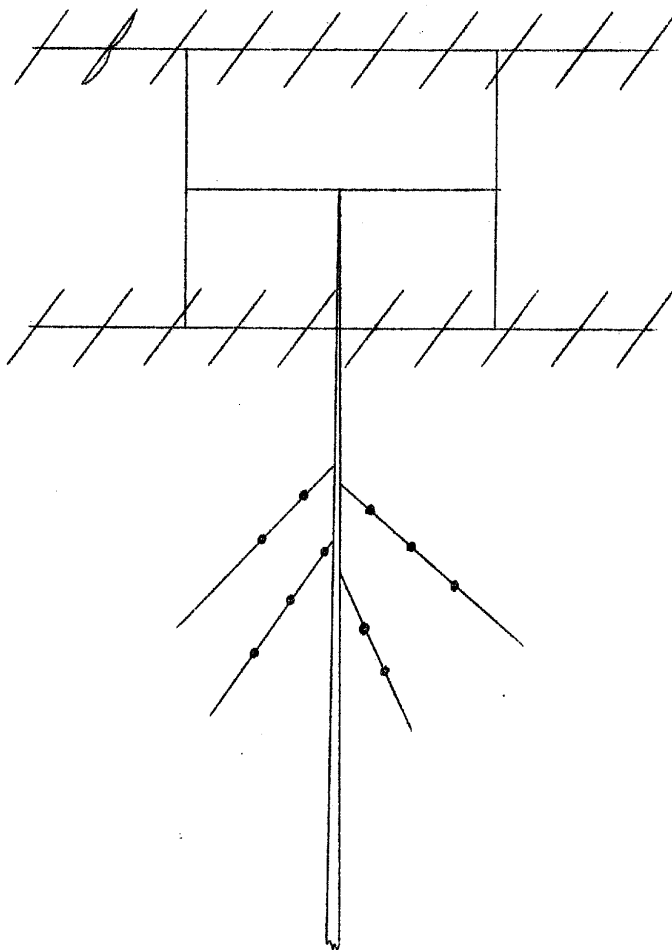
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50X1-HUM

CENTRAL INTELLIGENCE AGENCY

- 5 -

4. [] radar equipment as in Sketch E has been seen [] at the Tach'ang airfield near the junction of the north-south and east-west runways. Only the aerial was seen; it is the same as the radar array on top of Broadway Mansions, Shanghai. This array rotated smoothly and slowly in a counterclockwise direction. It was always moving in the morning and occasionally in the afternoon. 50X1-HUM

Sketch E

Description: This array consists of two parallel horizontal bars, one about six or seven feet above the other. There are nine dipoles attached vertically to each metal bar. They are about one foot long and about 14 inches apart. The second dipole from the left on top is different from the others, possibly having double wire. There are four black leads with regular bulges, which come in from different angles and at different heights.

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